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PTO/SB/21 (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(To be used for all correspondence
after initial filing)

Application Number	09/828,504
Filing Date	April 5, 2001
First Named Inventor	Thomas J. Bradbury
Group Art Unit	2161
Examiner Name	
Attorney Docket No.	900122.420

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ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Response
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ 4th Supplemental Information Disclosure Statement; Form PTO-1449
- ☒ Cited References (88)
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts under 37 C.F.R. 1.52 or 1.53
- ☐ Response to Missing Parts/Incomplete Application

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Request for Corrected Filing Receipt
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation, Change of Correspondence Address
- ☐ Declaration
- ☐ Statement under 37 CFR 3.73(b)
- ☐ Terminal Disclaimer
- ☐ Small Entity Statement
- ☐ Request for Refund

- ☐ CD(s), Number of CD(s) _____
- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Return Receipt Postcard
- ☐ Additional Enclosure(s) (please identify below):

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Remarks

Technology Center 2100

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name Frank Abramonte



00500

PATENT TRADEMARK OFFICE

Signature

[Handwritten Signature]

Date

September 12, 2002

CERTIFICATE OF MAILING

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Applicants : Thomas J. Bradbury et al.
Application No. : 09/828,504
Filed : April 5, 2001
For : SYSTEM AND METHOD FOR RAPIDLY CUSTOMIZING A
DESIGN AND REMOTELY MANUFACTURING BIOMEDICAL
DEVICES USING A COMPUTER SYSTEM

Art Unit : 2161
Docket No. : 900122.420
Date : September 12, 2002

Commissioner for Patents
Washington, DC 20231

FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references are enclosed).

Reference DC (Huang, H.K.) on the attached Form PTO-1449, is not a printed copy of the book, but a printout of the book's description, details, and reviews from an internet website. Applicants have not otherwise had access to the book.

References DE, and DP to DU on the attached Form PTO-1449, are all internet web page references that are no longer available or have been moved to another site/page. Applicants have thus been unable to retrieve copies of the entire websites.

As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Fourth Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

Thomas J. Bradbury et al.

Seed Intellectual Property Law Group PLLC



Frank Abramonte

Registration No. 38,066

Enclosures:

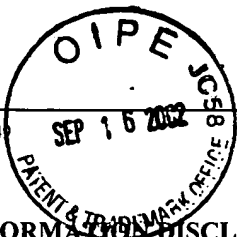
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Form PTO-1449

Cited References (88)

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FORM PTO-144 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 900122.420	APPLICATION NO. 09/828,504
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Thomas J. Bradbury et al.	
		FILING DATE April 5, 2001	GROUP ART UNIT 2161

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,314,457	05/24/94	Jeutter et al.	607	116	
	AB	5,434,611	07/18/95	Tamura	348	8	
	AC	5,441,047	08/15/95	David et al.	128	670	
	AD	5,449,754	09/12/95	Nishioka	530	334	
	AE	5,580,699	12/03/96	Layman et al.	430	311	
	AF	5,658,709	08/19/97	Layman et al.	430	311	
	AG	5,701,904	12/30/97	Simmons et al.	128	670	
	AH	5,715,451	02/03/98	Marlin	395	615	
	AI	5,715,823	02/10/98	Wood et al.	128	660.01	
	AJ	5,717,769	02/10/98	Williams	381	67	
	AK	5,728,134	03/17/98	Barak	606	214	
	AL	5,732,074	03/24/98	Spaur et al.	370	313	

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AM					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AN	Steidle, C., et al., "Automated Fabrication of Custom Bone Implants Using Rapid Prototyping," in <i>Proceedings of the 44th Int'l SAMPE Symposium and Exhibition</i> , Long Beach, CA, May 1999.
	AO	"Dental Implants Frequently Asked Questions," Retrieved March 1, 2000, from <URL: http://www.sfii.com/faqs.htm >.
	AP	"Nonresorbable Bone Implants via LOM," Retrieved March 1, 2000, from <URL: http://www.udri.udayton.edu/rpdl/bone.htm >.
	AQ	"Biomaterials Laboratory," Retrieved March 1, 2000, from <URL: http://www.uky.edu/RGS/CBME/bmat.html >.

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 900122.420	APPLICATION NO. 09/828,504
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AR	5,749,902	05/12/98	Olson et al.	607	5	
	AS	5,749,921	05/12/98	Lenker et al.	623	1	
	AT	5,758,652	06/02/98	Nikolic	128	673	
	AU	5,769,882	06/23/98	Fogarty et al.	623	1	
	AV	5,772,586	06/30/98	Heinonen et al.	600	300	
	AW	5,773,230	06/30/98	Cheever et al.	435	7.23	
	AX	5,784,635	07/21/98	McCallum	395	800.32	
	AY	5,786,197	07/28/98	Lonetto	435	220	
	AZ	5,810,747	09/22/98	Brudny et al.	600	595	
	BA	5,817,110	10/06/98	Kronner	606	148	
	BC	5,824,040	10/20/98	Cox et al.	623	1	
	BD	5,839,438	11/24/98	Graettinger et al.	128	630	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
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	BF	Beumer, J., "Implants in Partially Edentulous Patients; The UCLA Experience," Retrieved March 1, 2000, from <URL: http://www.dent.ucla.edu/pic/visitors/implants/07.html >.
	BG	Duke, D., "Radiologist Reaching Rural America Through Improved Technology," Retrieved March 1, 2000, from <URL: http://wupa.wustl.edu/nai/feature/1996/Feb96-Teleradiology.html >.
	BH	"Interactive Real-Time Ultrasound Telediagnosis," Retrieved March 1, 2000, from <URL: http://www.telesonography.com/TechnicalPrimer.html >.

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
900122.420APPLICATION NO.
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APPLICANTS

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FILING DATE

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GROUP ART UNIT

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BI	5,840,020	11/24/98	Heinonen et al.	600	309	
	BJ	5,843,005	12/01/98	Chubinsky	601	15	
	BK	5,843,158	12/01/98	Lenker et al.	623	1	
	BL	5,844,995	12/01/98	Williams	381	67	
	BM	5,851,186	12/22/98	Wood et al.	600	437	
	BN	5,862,202	01/19/99	Bashoura et al.	379	100.14	
	BO	5,864,337	01/26/99	Marvin	345	338	
	BP	5,884,246	03/16/99	Boucher et al.	704	2	
	BQ	5,890,129	03/30/99	Spurgeon	705	4	
	BR	5,891,035	04/06/99	Wood et al.	600	437	
	BS	5,907,845	05/25/99	Cox et al.	707	102	
	BT	5,911,992	06/15/99	Braswell et al.	424	195.1	

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BV	Tobin, M., "Teleradiology – A Personal View," Retrieved March 1, 2000, from <URL: http://www.octet.com/~mikety/Articles/PC-Teleradiology/Teleradiology.html >.
	BW	"Frequently Asked Teleradiology Questions," Retrieved March 1, 2000, from<URL: http://cter.eng.uab.edu/telemmed/faqtrad.html >.
	BX	"Software for Establishing Teleradiologic Links for Quantitative Volumetric Imaging Consultation," Retrieved March 1, 2000, from <URL: http://everest.radiology.uiowa.edu/nlm/consult/consult.html >.

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BY	5,912,720	06/15/99	Berger et al.	351	206	
	BZ	5,933,881	08/10/99	Smith	4	420.4	
	CA	5,935,060	08/10/99	Iliff	600	300	
	CB	5,938,737	08/17/99	Smallcomb et al.	709	247	
	CC	5,943,423	08/24/99	Muftic	380	25	
	CD	5,951,300	09/14/99	Brown	434	236	
	CE	5,951,598	09/14/99	Bishay et al.	607	142	
	CF	5,956,687	09/21/99	Wamsley et al.	705	1	
	CG	5,966,126	10/12/99	Szabo	345	348	
	CH	5,966,711	10/12/99	Adams	707	104	
	CI	5,967,986	10/19/99	Cimochowski et al.	600	454	
	CJ	5,970,499	10/19/99	Smith et al.	707	104	

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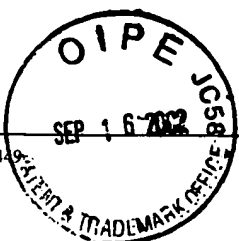
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CL	Whitehead et al., "Quantitative and Qualitative Light Microscopy of Bone Remodeling at the Interface with Implanted Biomaterials," Retrieved March 1, 2000, from <URL: http://sbec.abe.msstate.edu/abstracts/whitehead.htm >.
	CM	"Bone Implant Technologies," Retrieved March 1, 2000, from <URL: http://www.pittsburgh-tissue.net/brochure/Research/NASABone.html >.
	CN	Excerpts from the Introductory Chapter of "Handbook of Teleradiology Applications," Retrieved March 1, 2000, from <URL: http://www.rsna.org/REG/learnres/excerpts.html >.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CO	5,972,344	10/26/99	Edwards	424	195.1	
	CP	5,974,124	10/26/99	Schlueter, Jr. et al.	379	106.02	
	CQ	5,986,662	11/16/99	Argiro et al.	345	424	
	CR	5,987,519	11/16/99	Peifer et al.	709	230	
	CS	5,989,559	11/23/99	Edwards	424	195.1	
	CT	5,991,731	11/23/99	Colon et al.	705	3	
	CU	5,991,751	11/23/99	Rivette et al.	707	1	
	CV	5,993,001	11/30/99	Bursell et al.	351	212	
	CW	5,995,939	11/30/99	Berman et al.	705	3	
	CX	6,007,459	12/28/99	Burgess	482	4	
	CY	6,009,212	12/28/99	Miller et al.	382	294	
	CZ	6,013,260	01/11/00	Edwards	424	195.1	

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FOREIGN PATENT DOCUMENTS

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					YES	NO
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	DB	"Teleradiology Questions and Answers," Retrieved March 1, 2000, from <URL: http://www.mayo.edu/physician/mmi/faq.html >.
	DC	Huang, H.K., "PACS: Basic Principles and Applications," Retrieved August 21, 2002, from <URL: http://www.amazon.com/exec/obidos/tg/detail/-/0471253936/qid=1029956152/sr=8-14/ref=sr_8_14/102-1690425-9399327?s=books&n=507846 >.
	DE	"IntraCom Family of Products Receives FDA Clearance," Retrieved March 1, 2000, from <URL: http://www.intracom.net/news/990217.html >.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	DF	6,016,486	01/18/00	Nichols	706	47	
	DG	6,018,731	01/25/00	Bertrand et al.	706	47	
	DH	6,022,315	02/08/00	Iliff	600	300	
	DI	6,022,526	02/08/00	Woodburn et al.	424	9.61	
	DJ	6,024,700	02/15/00	Nemirovski et al.	600	300	
	DK	6,029,159	02/22/00	Zorba et al.	706	47	
	DL						
	DM						
	DN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	DO					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	DP	Kincade, K., "Teleradiology: Market Opportunity or Predatory Strategy?," Retrieved March 1, 2000, from <URL: http://www.telemedmag.com/topics/clin3.htm >.
	DQ	Harris, G., "Annual Survey -- Teleradiology Service Providers," Retrieved on February 29, 2000, from <URL: http://www.telemedtoday.com/annnual_survey.htm >.
	DR	"January 2000: New Software Release," Retrieved March 1, 2000, from <URL: http://www.materialise.com/Home.htm >.
	DS	"Medical Services," Retrieved March 1, 2000, from <URL: http://www.materialise.com/medical/MedHome.htm >.
	DT	"CT-Based Anatomical Modeling: patient-specific pre-surgical planning models," Medical Modeling Corporation, Golden, Colorado, 1999
	DU	17 th Symposium for Computer Application in Radiology, "The Electronic Practice: Radiology and the Enterprise," Retrieved on March 1, 2000, from <URL: http://www.scar.rad.washington.edu/SCAR/meeting2000/2000main.html >.

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